

JUN 30 2003 (use as many sheets as necessary)

JUN 3 0 2003

Application Number	09/703,075
Filing Date	October 31, 2000
First Named Inventor:	Jose J. Garcia-Luna-Aceves
Group Art Unit	2665
Examiner Name	Philpott, Justin M.
Attorney Docket Number	3867P006

Sheet	1	of	6
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Exam. Initial*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (If known)				
<i>Shp</i>	B9	EP	0565180	A2	Sharpe	10/13/1993		
<i>Shp</i>	B10	EP	0615364	A1	van Bokhust, et al.	09/14/1994		
<i>Shp</i>	B11	EP	0841763	A1	Rikkinen et al.	05/13/1998		
<i>Shp</i>	B12	GB	2271251	A	Alasdair et al.	04/06/1994		
<i>Shp</i>	B13	GB	2313254	A	Robinson et al.	11/19/1997		
<i>Shp</i>	B14	WO	97/09805	A	Shepard	03/13/1997		
<i>Shp</i>	B15	WO	98/09469	A1	Haartsen	03/05/1998		

Examiner Signature		Date Considered	Aug. 12, 2003
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¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard S.3). ⁴For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

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Substitute for Form 1449/PTO (Modified) <h2 style="text-align: center;">INFORMATION DISCLOSURE STATEMENT BY APPLICANT</h2> <p style="text-align: center;">(use as many sheets as necessary)</p> <p style="text-align: center;">JUN 30 2003</p>		<h3 style="text-align: center;">Complete if Known</h3> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Application Number</td> <td>09/703,075</td> </tr> <tr> <td>Filing Date</td> <td>October 31, 2000</td> </tr> <tr> <td>First Named Inventor:</td> <td>Jose J. Garcia-Luna-Aceves</td> </tr> <tr> <td>Group Art Unit</td> <td>2665</td> </tr> <tr> <td>Examiner Name</td> <td>Philpott, Justin M.</td> </tr> <tr> <td>Attorney Docket Number</td> <td>3867P006</td> </tr> </table>		Application Number	09/703,075	Filing Date	October 31, 2000	First Named Inventor:	Jose J. Garcia-Luna-Aceves	Group Art Unit	2665	Examiner Name	Philpott, Justin M.	Attorney Docket Number	3867P006
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Sheet	3	of	6												
OTHER ART – NO PATENT LITERATURE DOCUMENTS															
Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published													
Jmf	B18	Tobagi et al., "Packet Switching in Radio Channels: Part III-Polling and (Dynamic) Split-Channel Reservation Multiple Access", IEEE Transactions on Communications, Vol. Com-24. No. 8, August 1976, pp. 832-845.													
Jmf	B19	Fullmer et al., "Solutions to Hidden Terminal Problems in Wireless Networks", Computer Engineering Department, School of Engineering, University of California, Santa Cruz, CA 95064, chane,jj@cse.ucsc.edu, September 14-18, 1997, pp. 11 total.													
Jmf	B20	Fullmer et al., "Floor Acquisition Multiple Access (FAMA) for Packet-Radio Networks", Computer Engineering Department, School of Engineering, University of California, Santa Cruz, CA 95064, chane,jj@cse.ucsc.edu, August 28-September 1, 1995, pp. 12 total.													
Jmf	B21	Kwang-Cheng Chen, "Medium Access Control of Wireless LANs for Mobile Computing", IEEE Network, September/October 1994, pp. 50-63.													
Jmf	B22	Garcia-Luna-Aceves et al., "Reversing the Collision-Avoidance Handshake in Wireless Networks", Computer Engineering Department, Baskin School of Engineering, University of California, Santa Cruz, CA 95064 {jj,jamal}@cse.ucsc.edu, August 15-20-1999, pp. 12 total.													
Jmf	B23	Alan Colvin, "CSMA with collision avoidance", Computer Communications, Techniques, vol. 6, no. 5, October 1983, 1983 Butterworth & Co. (Publishers) Ltd., pp. 225-235													
Jmf	B24	Lo et al., "Carrier Sense Multiple Access with Collision Detection for Radio Channels", Department of Electrical Engineering, Queen's University, Kingston, Ontario, October 2-1984, International Communications and Energy Conference, IEEE. pp. 244-247													
Jmf	B25	Raphael Rom, "Collision Detection in Radio Channels", Chapter 12, Telecommunications Sciences Center, SRI International, Menlo Park, CA, Local Area & Multiple Access Networks, Editor: Raymond L. Pickholtz, The George Washington University, Computer Science Press, 1986, pp. 235-249.													
Jmf	B26	Kleinrock et al., "Packet Switching in Radio Channels: Part I-Carrier Sense Multiple-Access Modes and Their Throughput-Delay Characteristics", IEEE Transactions on Communications, December 1975, Vol. COM-23, Number 12, pp. 1400-1416.													
Jmf	B27	Leiner et al., "Issues in Packet Radio Network Design", Proceedings of the IEEE, Vol. 75, No. 1, January 1987, pp. 6-20.													
Jmf	B28	Garcia-Luna-Aceves et al., "Wireless Internet Gateways (WINGS), 197 IEEE, MILCOM 97 Proceedings, Volume 3 of 3, November 3-5, 1997, pp. 1271-1276.													
Jmf	B29	Ramamoorthy et al., "An Adaptive Hierarchical Routing Algorithm", Proceedings 7 Compsac 83, The IEEE Computer Society's Seventh International Computer Software and Applications Conference, The Palmer House, Chicago, IL, Nov. 7-11, 1983, pp. 93-104.													

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Substitute for Form 1449/APTO (Modified) <h2 style="text-align: center;">INFORMATION DISCLOSURE STATEMENT BY APPLICANT</h2> <p style="text-align: center;">(use as many sheets as necessary)</p>		Complete if Known	
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OTHER ART - NO PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	
Jmf	B30	R.M. Metcalfe and D.R. Boggs, "ETHERNET: Distributed packet switching for local computer networks," Communications of the ACM, Vol. 19, No. 7, pp. 395-403 (1976)	
Jmf	B31	P802.11 Draft Standard for Information Technology - Telecommunications and information exchange between systems - Local and metropolitan area networks - Specific requirements - "Part 11: Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) Specifications," IEEE P802.11/D10 (January 14, 1999)	
Jmf	B32	V. Bharghavan, A. Demers, S. Shenker, and L. Zhang, "MACAW: A Media Access Protocol for Wireless LAN's," Proceedings of ACM Sigcomm '94, London, UK, pp. 212-225 (August 31-September 2, 1994)	
Jmf	B33	B. Vaduvur, "Access, Addressing and Security in Wireless Packet Networks," PhD thesis, University of California, Berkeley, Computer Science Department (1995)	
Jmf	B34	J. Jubin and J. Tornow, "The DARPA Packet Radio Network Protocols," Proceedings of the IEEE, Vol. 75, No. 1, pp. 21-32 (January 1987)	
Jmf	B35	S. Murthy and J.J. Garcia-Luna-Aceves, "Loop-Free Internet Routing Using Hierarchical Routing Trees," Proc. IEEE INFOCOMM '97, Kobe, Japan (April 7-11, 1997)	
Jmf	B36	Anthony Ephremides and Bruce Hajek, "Information Theory and Communication Networks: an Unconsummated Union," IEEE Transactions on Information Theory, Vol. 44, No. 6, pp. 1 & 3 (October 1998)	
Jmf	B37	N. Abramson, "The ALOHA System - Another Alternative for Computer Communications," in Proc., Fall Joint Computer Conference, pp. 281-285 (1970)	
Jmf	B38	R.L. Brewster and A.M. Glass, "Throughput Analysis of Non-Persistent and Slotted Non-Persistent CSMA/CA Protocols," in 4th International Conference on Land Mobile Radio, Institution of Electronic and Radio Engineers, pp. 231-236 (1987)	
Jmf	B39	H.S. Chhaya and S. Gupta, "Performance Modeling of Asynchronous Data Transfer Methods of IEEE 802.11 MAC Protocol," Wireless Networks, Vol. 3, No. 3, pp. 217-234 (1997)	
Jmf	B40	C.L. Fullmer and J.J. Garcia-Luna-Aceves, "FAMA-PJ: A Channel Access Protocol for Wireless LANs," Proc. First International Conference on Mobile Computing and Networking 1995, Berkeley, California (November 14-15, 1995)	
Jmf	B41	R. Garces and J.J. Garcia-Luna-Aceves, "Floor Acquisition Multiple Access with Collision Resolution," Proc. Second International Conference on Mobile Computing and Networking 1996, Rye, New York (November 10-12, 1996)	

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Jmf	B42	L. Kleinrock and M.O. Scholl, "Packet Switching in Radio Channels: New Conflict-Free Multiple Access Schemes," IEEE Trans. Commun., Vol. COM-28, pp. 1015-1029 July 1980.	
Jmf	B43	J. Meditch and C. Lea, "Stability and Optimization of CSMA and CSMA/CD Channels," in Advances in Local Area Networks, IEEE Press, pp. 340-362 (1987)	
Jmf	B44	Takagi and L. Kleinrock, "Output processes in contention packet broadcasting systems," IEEE Trans. Commun., Vol. COM-33, No. 11, pp. 1191-1199 (1985)	
Jmf	B45	F. Tobagi, "Random Access Techniques for data transmission over packet switched radio networks," PhD Thesis, University of California, Los Angeles, Computer Science Department, School of Engineering and Applied Science, Report UCLA-ENG 7499 (1974)	
Jmf	B46	F.A. Tobagi and L. Kleinrock, "The Effect of Acknowledgement Traffic on the Capacity of Packet-Switched Radio Channels," IEEE Trans. Commun. Vol. COM-26, No. 6, pp. 815-826 (1978)	
Jmf	B47	K.S. Trivedi, "Probability and Statistics with Reliability, Queing, and Computer Science Applications," Prentice-Hall (1988)	
Jmf	B48	J. Weinmiller, M. Schlager, A. Festag, and A. Wolisz, "Performance Study of Access Control in Wireless LANs--IEEE 802.11 DFWMAC and ETSI RES 10 Hiperlan," Mobile Networks and Applications, Vol. 2, No. 1, pp. 55-68 (June 1997)	
Jmf	B49	R.E. Kahn, et al., "Advances in Packet Radio Technology," Invited Paper, Proceedings of the IEEE, Vol. 66, No.11, pp. 1468-1496 (November 1978)	
Jmf	B50	David A. Beyer, "Survivable Adaptive Networks (SURAN) Program: Volume II, Executive Summary," Final Report, March 1992.	
Jmf	B51	G. Jones, "Packet Radio: What? Why? How? Articles and Information on General Packet Radio Topics, published by Tuscon Amateur Packet Radio Corporation, Tucson, AZ, pp. i-vii, 1-87, and 98-132 (1995)	
Jmf	B52	D. Beyer, M. D. Vestrich, and J. J. Garcia-Luna-Aceves, "The Rooftop Community Network: Free, High-Speed Network Access for Communities", The First 100 Feet: New Options for Internet and Broadband Access (Hurley and Keller, Eds.), Harvard Information Infrastructure Project, The MIT Press, pp. 75-91 (1999)	
Jmf	B53	Revisions to IEEE Std 802.11-1997 IEEE Standard for Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY), IEEE Draft 802.11rev/D6.2 (July 1998)	

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Jmf	B54	David A. Beyer, "Survivable Adaptive Networks (SURAN) Program: Volume III, Technical," Final Report, March 1992.		
Jmf	B55	D.A. Beyer, et al., "Packet Radio Network Research, Development and Application," Symposium on Packet Radio, Symposium Proceedings SP-5, Volume 1, pp. 1-73 (April 1989)		
Jmf	B56	SPARROW Quarterly Progress Reports, Q198-Q498, http://www.soc.ucsc.edu/research/ccrg/reports/SPARROW/q1-98.html (also q2-98.html, q3-98.html, and q4-98.html) (September 18, 1997 through September 1, 1998).		
Jmf	B57	J.J. Garcia-Luna-Aceves, "Performance of Floor Acquisition Multiple Access in Ad-Hoc Networks", (1990) pp. 6 pgs. total.		
Jmf	B58	Beyer et al., "Packet Radio Network Research, Development and Application", Information and Telecommunications Sciences and Technology Division, SRI International, (1989) pp. 1-35		
Jmf	B59	Phil Karn, KA9Q, "MACA-A new Channel Access Method for Packet Radio", (1990), pp. 5 total		
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